

Statement: The company reserves the right to improve & upgrade products,
product specifications and design are subject to change without notice.

INSTRUCTION M A N U A L

926LED III
English

Made in China



Thank you for purchasing this product. Please read the manual
carefully before operating and keep this manual for future reference.

Guangzhou Yihua Electronic Equipment Co., Ltd.
Address: 10/F, Building 3, Greenland International Creative
Community, No. 6 Kexing Rd, Guangzhou Mingyong S&T Park, 1633
Beitai Rd, Baiyun Dist., Guangzhou, Guangdong China, 510540
Factory address: No.13 Shajing East Road, Yongxing Industrial
Zone, Longgui, Baiyun District., Guangzhou, Guangdong, China
TEL: +86-20-87470526 FAX: +86-20-87470261

● This product should not be thrown in the garbage. In accordance with the European directive 2012/19/EU, electronic equipment at the end of their life must be collected & returned to an authorized recycling facility. ● Este producto no debe desecharse en la basura. De acuerdo a la directiva europea 2012/19/EU, los equipos electrónicos al final de su vida se deberán recoger y trasladar a una planta de reciclaje autorizada. ● Dieses Produkt sollte nicht mit dem Hausmüll entsorgt werden. In Übereinstimmung mit der europäischen Richtlinie 2012/19/EU müssen elektronische Geräte am Ende ihrer Lebensdauer eingesammelt und einem autorisierten Recyclingbetrieb zugeführt werden.

Safety Guidelines

To use this product, the following basic measures must be strictly followed to avoid hazards such as electric shock, bodily injury, fire and other phenomena:

1. To ensure personal safety, please turn off the power switch after work is completed; When not in use for an extended period, please unplug the power cord.
2. If any appliance failures occur, its maintenance can only be carried out by a maintenance technician or our designated personnel. Do not use parts that are non-original or non-approved otherwise, serious consequences could happen.
3. The appliance should be used with three-prong grounded plug only and the plug must be inserted into a three-prong grounded outlet.
4. Be aware that heat may be transferred to distant flammable materials; Do not use it near flammable gas or explosive objects. Do not touch the metal part of the iron: risk of burn.
5. Someone must be present at all times while the device is connected.
6. Do not install or replace any parts before the desoldering station is off but install or replace them after the cooling of the station.
7. Do not use the soldering iron for any purpose other than soldering; do not strike the soldering iron against worktop to remove solder residue. Such incorrect use may lead to a severely damaged soldering iron.
8. Soldering produces fumes, ensure there is adequate ventilation.
9. After use, the handle must be placed on its holder for cooling.
10. This device is not intended to be used by persons with reduced physical, sensory, or mental capacities or by those who lack experience (such as children) unless they have been given adequate supervision or instruction concerning use of the appliance by a person who is responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
11. Do not use this device for extended periods in the same location.

Specification

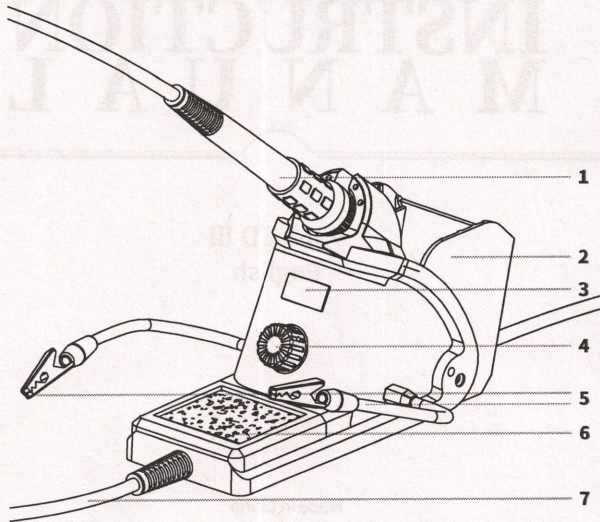
Model	926LED III
Rated voltage range	220V~240V/AC, 50Hz
Maximum power	130W
Rated power	18W
Unit weight.	0.8kg ±10%
Machine dimension	L136xW50xH39mm ±5mm
TEMP. range	90~480°C/194~896°F
Working environment	0~40°C/32~104°F
Storage Environment	Temp. -20~80°C/-4~176°F
	Humidity 35%~45%
Tip to ground resistance	<2ohm
Temp. display	LED Numeric display
Sleep function	0/5/10/30minute sleep
Digital temp. correction function	Yes
°C/°F conversion function	Yes

I. PURPOSES

This unit is suitable for de-soldering & soldering of various surface-mount and through-hole components, such as SOP, DIP, SOIC, etc.

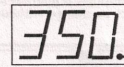
II. MACHINE SCHEMATIC DIAGRAM

1. soldering iron handle
2. Iron holder
3. Temp. display screen
4. Temp. adjustment rotary knob (menu key)
5. Universal clamp
6. Solder residue collector
7. Handle wire



III. OPERATING GUIDELINES

1. Have the soldering iron handle well connected and place the iron handle into its holder.
2. Turn on the main power switch. The soldering iron heating wire will start heating up. At this time, the soldering iron working indicator (the dot on the bottom right of its temp.



Indicator for program tracking temp. at high speed and making temp. compensation.

display screen) lights up. The indicator staying lit means the soldering iron heating up; blinking continuously, remaining at constant temperature; lighting out, cooling down. Start your work when the temperature becomes constant.

Note: At the first use of the iron tip, recommended to set the iron temperature at 250°C (482°F). When the iron tip becomes able to melt the solder wire, apply fresh solder containing flux on it & then increase the temp. to the desired values.

3. After work is complete, clean the iron tip with a metal wire tip cleaner or a wet cleaning sponge. And then recoat the iron tip with a fresh layer of solder. Return the iron to its holder and then turn off the soldering iron switch. If the equipment is not in use for a long period of time, turn OFF the main power switch and unplug the power cord.
4. °F and °C temperature scale display conversion function: **(To adapt to user custom, this model can be set to display temp. in Fahrenheit or Celsius scale.)**
 1. Press and hold the menu button for 2 seconds, and "C" will show on the temp. display screen.
 2. Rotate the menu button to alternately display Fahrenheit or Celsius scale.
 3. Press the menu button 3 times continuously and exit the setting. Setting is completed.
5. Sleep time setting: **(This effectively prolongs the iron's life, energy-saving & eco-friendly.)**
 1. Press and hold the menu button for 2 seconds, & then quick press the menu button. "L10" will be displayed, indicating 10 minutes sleep timer. There are 0.5, 10, 30 minutes sleep timers available.
 2. Rotate the menu button to set the sleep timer. "L00" means no sleep.
 3. Press the menu button 2 times continuously and exit the setting. Setting is completed.
6. Digital temperature calibration function: **(This function helps correct temp. deviations caused by environmental changes or the replacing of the heating element, iron tip, and other parts. Temperature calibration could effectively improve work efficiency & prolong the iron's life.)**
 1. Press and hold the menu button for 2 seconds after the soldering iron's temperature becomes constant. "CAL" will show on the display screen.
 2. Rotate the menu button to enter the measured accurate values of the temperature and press menu button to confirm.
 3. Quick press the menu button and exit the setting. Setting is completed. If there are still temperature deviations, repeat the temperature calibration steps.

How to wake it up:

- A. Shake it several times.
- B. Press any of the buttons on the control panel.
- C. Turn the power off and then turn the power on.

IV. MAINTENANCE AND NOTES

1. When the soldering tip gets a buildup of oxidation on its surface, it becomes unable to melt the solder and do the tinning. And the tip seems at low temp. But actually, both the heating element and the tip are experiencing high temp. At this time, do not increase the temperature again but use a metal wire tip cleaner to remove the oxides.

The procedures are as below:

- A. Set the temperature at 300°C (572°F).
- B. When the soldering iron is at constant temperature, dip the iron tip in the wire cleaner and move it back and forth and wipe off it.
- C. After removing part of the oxides, you can do the coating while wiping off the tip until it is sufficiently coated. If the tip is subject to severe oxidation, replace it.
2. Do not remove the oxides on the tip with a file. If the tip becomes deformed or rusty, replace it.
3. Do not press hard on the tip when soldering. Doing this will not accelerate its heat transfer but will likely damage it instead.
4. Adjust the temperature to less than 250°C (482°F) when returning the iron to its holder after operating it at high temperature. Keeping it in standby at high temp. for a long period of time can lead to the accelerated aging of the heating element and the reduction of the heating element and iron tip's lives.
5. After work is complete, wipe off the tip and apply fresh solder on it to prevent its oxidation.

V. TROUBLESHOOTING GUIDE

1. When the sensor module of the soldering iron is failing, "S-E" will be displayed on its temperature display screen. Solution: Replace the heating element (heating material and sensor module).
2. When replacing the heating element, please pay attention to the sequence and the colors of the connecting wires to avoid any possible wrong connections.

VI. FOR REFERENCE: COMPATIBLE PARTS

Tip style (specifications and sizes)

900M Series Tip Out Diam ϕ 6.5mm

 900M-T-K 30°C/54°F 5.0mm	 900M-T-R 0°C 3.2mm 5.0mm	 900M-T-RT 0°C 2.0mm 4.2mm	 900M-T-SJ 0°C 13mm	 900M-T-I -10°C/-18°F 17mm	 900M-T-H -20°C/-28°F 19mm	 900M-T-LH -10°C/-18°F 14mm	 900M-T-SA 0°C 15mm
 900M-T-LB -10°C/-18°F 25mm	 900M-T-0.5C 0°C 0.5mm	 900M-T-0.8C 0°C 0.8mm	 900M-T-1C 0°C 1.0mm	 900M-T-1.5CF 0°C 1.5mm	 900M-T-2C 0°C 2.0mm	 900M-T-3C 0°C 3.0mm	 900M-T-4C 0°C 4.0mm
 900M-T-0.8D 0°C 0.8mm	 900M-T-1.2D 0°C 1.2mm	 900M-T-1.6D 0°C 1.6mm	 900M-T-2.4D 0°C 2.4mm	 900M-T-3.2D 0°C 3.2mm	 900M-T-1.2LD -10°C/-18°F 11mm	 900M-T-5B 0°C 2mm	 900M-T-B 0°C 17mm